

WHAT IS CLAIMED IS:

1           1.    A method of selecting an active microphone in a  
2           telephone circuit comprising:

3                determining whether a first microphone is connected to  
4           the telephone circuit; and

5                disconnecting a second microphone when the first  
6           microphone is connected, wherein the first microphone and the  
                second microphone share a bias circuit.

                2.    The method of Claim 1, further comprising  
                disconnecting the second microphone by opening a switch.

                3.    The method of Claim 2, further comprising opening a  
                single pole, single throw switch.

                4.    The method of Claim 1, further comprising detecting  
2           a bias current to determine whether the first microphone is  
3           connected.

1                5.    The method of Claim 1, further comprising the first  
2           microphone being a headset microphone.

1                6.    The method of Claim 1, further the second microphone  
2           being a handset microphone.

1           7.    The method of Claim 1, further comprising connecting  
2           the second microphone to the telephone circuit when the first  
3           microphone is disconnected.

1           8.    The method of Claim 7, further comprising  
2           determining the first microphone is disconnected by sensing a  
3           lack of bias current.

1           9.    A telephone switch circuit comprising:  
  
              a bias circuit connected to a microphone amplifier; and  
  
              a switch which connects either a first microphone or a  
              second microphone to the bias circuit, wherein the switch  
              connects the first microphone to the circuit when the first  
              microphone is present.

2           10.   The telephone switch circuit of Claim 9, wherein the  
              switch is a single pole, single throw switch.

1           11.   The telephone switch circuit of Claim 9, wherein the  
2           first microphone is a headset microphone.

1           12.   The telephone switch circuit of Claim 9, wherein the  
2           second microphone is a handset microphone.

1           13.   The telephone switch circuit of Claim 9, wherein the  
2           switch opens to disconnect the second microphone from the bias  
3           circuit when the first microphone is detected.

1           14. The telephone switch circuit of Claim 13, wherein  
2           the first microphone is detected by sensing a bias current  
3           flowing through the bias circuit.